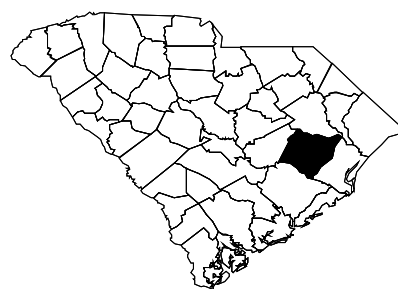


IMPACT OF CHRONIC CONDITIONS WILLIAMSBURG County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Williamsburg county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The majority (34%) of the population in Williamsburg county are between the ages of 18-44, and there are more females (53%) than males (47%). Williamsburg county has a higher minority population (68%) and more people under the age of 18 (26%) than the state's (31% and 24%, respectively). When adults in DHEC's Region 6, which includes Williamsburg County, were asked about their general health status, 83.6% reported having excellent, very good, or good health in 2005 (SC was 82%).

	WILLIAMSBURG COUNTY	STATE
Population size	35,395	4,255,083
Age distribution (%)		
<18	26	24
18-44	34	38
45-64	27	25
65-84	12	11
85+	2	2
Race (%)		
White	32	69
Black & Other	68	31
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Williamsburg County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	23	22
Sedentary lifestyle	30	26
Overweight	68	65
High Cholesterol	35	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	46.3	.	.	.	.	31.7
Number of hospitalizations	66	60	6	23	43	5,032
Crude rate of hospitalizations (per 100,000)	186	250	52	137	231	118
Median age of hospitalized patients	67	67	57	57	67	57
Total cost of hospitalization (\$)	1,027,300	928,600	98,700	396,000	631,300	109,400,500
Average length of hospital stay (days)	5	5	6	5	5	5
Number of ED visits	150	133	17	64	86	7,466
Crude rate of ED visits (per 100,000)	424	555	149	381	463	175
Median age of ED patients	52	52	57	47	57	52
Total cost of ED visits (\$)	151,300	128,500	22,800	67,400	83,900	9,929,000
Number of deaths**	4	4	-	2	2	423
Age-Adjusted Death rate (per 100,000)**	11	17	-	11	9	10

DISEASES OF THE HEART	County					State
	9	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.6	.	.	.	.	4.1
Number of hospitalizations	603	368	235	298	305	60,901
Crude rate of hospitalizations (per 100,000)	1,704	1,536	2,055	1,772	1,641	1,431
Median age of hospitalized patients	67	67	72	62	72	67
Total cost of hospitalization (\$)	18,933,500	10,532,500	8,401,000	9,997,100	8,936,400	2,286,836,400
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	242	179	63	119	123	12,989
Crude rate of ED visits (per 100,000)	684	747	551	708	662	305
Median age of ED patients	67	67	67	62	67	62
Total cost of ED visits (\$)	571,600	395,200	176,400	257,500	314,100	42,115,900
Number of deaths**	105	56	49	52	53	9,328
Age-Adjusted Death rate (per 100,000)**	276	256	305	385	221	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.2	.	.	.	.	3
Number of hospitalizations	152	99	53	72	80	13,925
Crude rate of hospitalizations (per 100,000)	429	413	463	428	431	327
Median age of hospitalized patients	67	67	77	65	72	72
Total cost of hospitalization (\$)	4,283,400	3,150,600	1,132,800	2,287,500	1,995,900	384,441,600
Average length of hospital stay (days)	7	9	5	8	7	6
Number of ED visits	54	37	17	16	38	2,515
Crude rate of ED visits (per 100,000)	153	154	149	95	204	59
Median age of ED patients	72	72	72	57	72	67
Total cost of ED visits (\$)	152,200	88,800	63,400	48,000	104,200	9,113,000
Number of deaths**	26	19	7	14	12	2,440
Age-Adjusted Death rate (per 100,000)**	70	86	47	101	51	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	166	81	85	60	106	15,753
Crude rate of hospitalizations (per 100,000)	469	338	743	357	570	370
Median age of hospitalized patients	57	47	67	55	57	62
Total cost of hospitalization (\$)	1,834,300	766,900	1,067,400	659,300	1,175,000	268,425,300
Average length of hospital stay (days)	4	3	4	4	4	5
Number of ED visits	541	426	115	219	322	36,543
Crude rate of ED visits (per 100,000)	1,528	1,778	1,006	1,303	1,733	859
Median age of ED patients	37	37	52	32	42	37
Total cost of ED visits (\$)	420,600	292,500	128,100	170,200	250,400	40,613,700
Number of deaths**	8	1	7	5	3	1,968
Age-Adjusted Death rate (per 100,000)**	23	5	46	41	13	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.6	.	.	.	.	10.3
Number of hospitalizations	140	118	22	56	84	9,027
Crude rate of hospitalizations (per 100,000)	396	493	192	333	452	212
Median age of hospitalized patients	52	52	70	47	57	52
Total cost of hospitalization (\$)	2,309,000	1,944,100	364,900	697,000	1,612,000	179,747,700
Average length of hospital stay (days)	5	5	5	5	6	6
Number of ED visits	233	203	30	89	144	9,603
Crude rate of ED visits (per 100,000)	658	847	262	529	775	226
Median age of ED patients	57	57	65	47	62	52
Total cost of ED visits (\$)	261,100	218,700	42,400	105,800	155,300	13,447,300
Number of deaths**	16	14	2	9	7	1,183
Age-Adjusted Death rate (per 100,000)**	41	60	11	58	26	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	130	80	50	61	69	16,389
Crude rate of hospitalizations (per 100,000)	367	334	437	363	371	385
Median age of hospitalized patients	62	62	67	62	62	62
Total cost of hospitalization (\$)	5,600,200	2,836,400	2,763,800	2,105,600	3,494,600	664,309,500
Average length of hospital stay (days)	8	7	10	7	9	8
Number of deaths**	82	48	34	47	35	8,617
Age-Adjusted Death rate (per 100,000)**	209	213	198	303	152	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	25	15	10	7	18	2,070
Crude rate of hospitalizations (per 100,000)	71	63	87	42	97	49
Median age of hospitalized patients	57	52	67	62	52	67
Total cost of hospitalization (\$)	1,707,900	670,500	1,037,400	275,300	1,432,600	101,377,700
Average length of hospital stay (days)	13	9	19	7	15	10
Number of deaths**	9	5	4	6	3	812
Age-Adjusted Death rate (per 100,000)**	22	22	22	38	12	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	8	4	-	12	1,228
Crude rate of hospitalizations (per 100,000)	65	64	67	-	84	56
Median age of hospitalized patients	65	52	72	-	65	62
Total cost of hospitalization (\$)	223,900	151,100	72,800	-	223,900	26,163,000
Average length of hospital stay (days)	2	2	1	-	2	3
Number of deaths**	6	4	2	-	6	651
Age-Adjusted Death rate (per 100,000)**	25	29	20	-	25	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2	2	-	-	2	192
Crude rate of hospitalizations (per 100,000)	11	16	-	-	11	9
Median age of hospitalized patients	52	52	-	-	52	47
Total cost of hospitalization (\$)	23,000	23,000	-	-	23,000	4,668,500
Average length of hospital stay (days)	2	2	-	-	2	4
Number of deaths**	1	1	-	-	1	63
Age-Adjusted Death rate (per 100,000)**	7	10	-	-	7	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	18	10	8	13	5	2,181
Crude rate of hospitalizations (per 100,000)	51	42	70	77	27	51
Median age of hospitalized patients	67	62	72	67	67	67
Total cost of hospitalization (\$)	677,400	398,400	279,000	454,900	222,500	92,775,300
Average length of hospital stay (days)	7	8	6	7	8	9
Number of deaths**	27	14	13	18	9	2,703
Age-Adjusted Death rate (per 100,000)**	71	64	79	116	40	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	10	2	12	-	1,209
Crude rate of hospitalizations (per 100,000)	71	88	37	65	-	58
Median age of hospitalized patients	65	62	75	65	-	62
Total cost of hospitalization (\$)	373,100	244,800	128,300	373,100	-	30,356,600
Average length of hospital stay (days)	5	5	7	5	-	4
Number of deaths**	6	5	1	6	-	460
Age-Adjusted Death rate (per 100,000)**	39	54	16	39	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations for Blacks include Blacks and Others.

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